

SEQUENCE LISTING

<110> COGENT NEUROSCIENCE, Inc.
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 Katz, Lawrence C.

<120> COMPOSITIONS AND METHODS FOR DIAGNOSING
 AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
 CELL DEATH

<130> 10001-005-999

<140> Not Assigned

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<160> 466

<170> FastSEQ for Windows Version 4.0

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<211> 852

<212> DNA

<213> Homo sapiens

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aaccattgaa	gtttacaaca	ccctaaaccc	tgccaccttg	ctcccagtat	cagagagccc	240
agttaaacat	aactatgtag	aggtattaga	ctcagtttat	tctagtaggc	ccaacctcca	300
agaccatcgt	tgaacatcag	tagactggga	gctgtacgtg	gatgggagca	gctttgccaa	360
ccctgcaaaa	gtgactcttg	aagaagacca	caaaccctgc	tccagtcaac	atctggaagc	420
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aaatttagac	ttgtacagta	aagacttcaa	cttgaccttc	ctcagactga	gggctgttcc	540
cagagtatac	atcaagtcac	tgaggtagga	caaaagggtg	ctacagtcct	attattttac	600
agttattata	agtgtactgg	aactctaaaa	agaacttggt	tttataatgt	tattctatac	660
aattatztat	aatacaatat	acaaataatg	tatttagccc	aggaaatgac	caacctgatg	720
tgtgttatga	cccatctgag	cctcccatga	ccacagtttt	taaaataaga	ttaagaactg	780
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1 5 10

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Leu	Pro	Met	Tyr	Ser	Tyr	Asp	Pro	Ala	Glu	Glu	Leu	His	Glu	Ala	Glu
			20					25					30		
Gln	Glu	Leu	Leu	Ser	Asp	Met	Gly	Asp	Pro	Lys	Val	Val	His	Gly	Trp
		35					40					45			
Gln	Ser	Gly	Tyr	Gln	His	Lys	Arg	Met	Pro	Leu	Leu	Asp	Val	Lys	Thr
	50					55					60				

<210> 47

<211> 480

<212> DNA

<213> Homo sapiens

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ccaaggtggt	acatggctgg	cagagtggct	accagcacaa	gcggatgcca	ctgctggatg	180
tcaagacgtg	acctgacccc	cttgccccac	ccttcagagc	ctggggtcct	ggactgcctg	240
gggcccctgcc	atctgcttcc	cctgctgtca	cctggctccc	cctgctgggt	gctgggtctc	300
catttctccc	tccaccaccc	ctcagcagca	tctgcttccc	atgccctcac	catcacctca	360
ctgccccccag	gcctttctgcc	ctttgtgggt	gttgagctca	ccgcccaccc	acaggcactc	420
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<211> 159

<212> PRT

<213> Homo sapiens

<400> 48

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Pro	Cys	Thr	Ala	Met	Thr	Gln	Leu	Arg	Asn	Cys	Met	Arg	Leu	Ser	Arg
			20					25					30		
Ser	Cys	Ser	Leu	Thr	Trp	Glu	Thr	Pro	Arg	Trp	Tyr	Met	Ala	Gly	Arg
		35					40					45			
Val	Ala	Thr	Ser	Thr	Ser	Gly	Cys	His	Cys	Trp	Met	Ser	Arg	Arg	Asp
	50					55				60					
Leu	Thr	Pro	Leu	Pro	His	Pro	Ser	Glu	Pro	Gly	Val	Leu	Asp	Cys	Leu
65					70					75				80	
Gly	Pro	Cys	His	Leu	Leu	Pro	Leu	Leu	Ser	Pro	Gly	Ser	Pro	Cys	Trp
			85						90					95	
Val	Leu	Gly	Leu	His	Phe	Ser	Leu	His	Pro	Pro	Ser	Ala	Ala	Ser	Ala
		100						105					110		
Ser	His	Ala	Leu	Thr	Ile	Thr	Ser	Leu	Pro	Pro	Gly	Leu	Leu	Pro	Phe
		115				120						125			
Val	Gly	Val	Glu	Leu	Thr	Ala	His	Pro	Gln	Ala	Leu	Ile	Gly	Arg	Gly
	130					135					140				
Phe	Pro	Ser	Gly	Met	Ala	Ala	Ala	Gly	Arg	His	Leu	Cys	Phe	Leu	
145					150					155					

<210> 49

<211> 141
 <212> DNA
 <213> Homo sapiens

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 atgggagacc ccaaggtggt acatggctgg cagagtggct accagcacia gcggatgcca 120
 ctgctggatg tcaagacgtg a 141

<210> 50
 <211> 46
 <212> PRT
 <213> Homo sapiens

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 1 5 10 15
 Leu Leu Ser Asp Met Gly Asp Pro Lys Val Val His Gly Trp Gln Ser
 20 25 30
 Gly Tyr Gln His Lys Arg Met Pro Leu Leu Asp Val Lys Thr
 35 40 45

<210> 51
 <211> 420
 <212> DNA
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 tcaagacgtg acctgacccc cttgccccac ccttcagagc ctggggtcct ggactgcctg 180
 gggccctgcc atctgcttcc cctgctgtca cctggctccc cctgctgggt gctgggtctc 240
 catttctccc tccaccacc ctcagcagca tctgcttccc atgccctcac catcacctca 300
 ctgccccag gccttctgcc ctttgtgggt gttgagctca ccgcccaccc acaggcactc 360
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<210> 52
 <211> 139
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<400> 52
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 1 5 10 15
 Thr Trp Glu Thr Pro Arg Trp Tyr Met Ala Gly Arg Val Ala Thr Ser
 20 25 30
 Thr Ser Gly Cys His Cys Trp Met Ser Arg Arg Asp Leu Thr Pro Leu
 35 40 45
 Pro His Pro Ser Glu Pro Gly Val Leu Asp Cys Leu Gly Pro Cys His
 50 55 60
 Leu Leu Pro Leu Leu Ser Pro Gly Ser Pro Cys Trp Val Leu Gly Leu
 65 70 75 80
 His Phe Ser Leu His Pro Pro Ser Ala Ala Ser Ala Ser His Ala Leu
 85 90 95
 Thr Ile Thr Ser Leu Pro Pro Gly Leu Leu Pro Phe Val Gly Val Glu

<400> 64
 Met Pro Ser Pro Ser Pro His Cys Pro Gln Ala Phe Cys Pro Leu Trp
 1 5 10 15
 Val Leu Ser Ser Pro Pro Thr His Arg His Ser
 20 25

<210> 65
 <211> 36
 <212> DNA
 <213> Homo sapiens

<400> 65
 atggcgccgg ctggttagaca cctttgcttt ctctag 36

<210> 66
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 66
 Met Ala Ala Ala Gly Arg His Leu Cys Phe Leu
 1 5 10

<210> 67
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 <212> DNA
 <213> Homo sapiens

<400> 67
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<210> 68
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 <212> PRT
 <213> Homo sapiens

<400> 68
 Met Val Met Gly Pro Asp Val
 1 5

<210> 69
 <211> 18
 <212> DNA
 <213> Homo sapiens

<400> 69
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<210> 70
 <211> 5
 <212> PRT
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<400> 70
 Met Gly Pro Asp Val

1

5

<210> 71
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 71
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33

<210> 72
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 72
 Met Tyr Ser Ile Gln Tyr Ile Phe Cys Lys
 1 5 10

<210> 73
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 <212> DNA
 <213> Homo sapiens

<400> 73
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<210> 74
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<400> 74
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<210> 75
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 agtccatgac ccacccctgc accaaccctc agccaacaag ccgaagcccc ccactatgct 180
 ggacatcccc tcagagccat gtagtctcac catccatacg attcagttga ttcagcacaa 240
 ccgacgtctt cgcaacctta ttgccacagc tcaggcccag aatcagcagc agacagaagg 300
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 tgacctctg ccttttagatt gtaagaatcc caatgcacca ttccagatcc ggcacagtga 420
 cccagagagt gacttttatc gtgggaaagg ggaacctgtg actgaactca gctggcactc 480
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 tgctaagtga agtgtcctgg agaccctaac tgatgtggca catgagtatt gccttaagtt 600
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<400> 78
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<210> 79
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 79
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 Leu Cys Trp Thr Ser Pro Gln Ser His Val Val Ser Pro Ser Ile Arg
 20 25 30
 Phe Ser

<210> 80
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<400> 80
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 gaaggtgtaa aaactgaaga gagtgaacct cttccctcgt gccctgggtc acctcctctc 180
 cctgatgacc tcctgccttt agattgtaag aatcccaatg caccattcca gatccggcac 240
 agtgacccag agagtgaact ttatcgtggg aaaggggaac ctgtgactga actcagctgg 300
 cactcctgtc ggcagctcct ctaccaggca gtggccacaa tcctggccca cgcgggcttt 360
 gactgtgcta atgagagtgt cctggagacc ctaactgatg tggcacatga gtattgcctt 420
 aagtttacca agttgctgcg ttttgctgtg gaccgggagg cccggctggg acagactcct 480
 tttcctgatg tgatggagca ggtattccat gaagtgggta ttggcagtgt gctctccctc 540
 cagaagtctt ggcagcaccg catcaaggac tatcacagtt acatgctaca gattagtaag 600
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 gaggtgacc ttgcttcttg agaccagtca ctgcctatgg gagtgtcttg ggctcagagc 780
 gaacgcttcc catctaacct ggaggttgaa gcttcaccac aggttcaag tgcagaggta 840
 aatgcttctc ctctttggaa tctggcccat gtgaaaatgg agcctcaaga aagtgaagaa 900
 ggcaatgtct ctgggcatgg tgtgtctggg agtgatgtct tcgaggagcc tatgtcaggc 960
 atgagtgaag ctgggattcc tcagagccct gatgactcag atagcagcta tggttcccac 1020
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 aggaaaatat aa 1092

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 <212> PRT
 <213> Homo sapiens

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 20 25 30
 Gln Ala Gln Asn Gln Gln Gln Thr Glu Gly Val Lys Thr Glu Glu Ser
 35 40 45

Glu Pro Leu Pro Ser Cys Pro Gly Ser Pro Pro Leu Pro Asp Asp Leu
50 55 60
Leu Pro Leu Asp Cys Lys Asn Pro Asn Ala Pro Phe Gln Ile Arg His
65 70 75 80
Ser Asp Pro Glu Ser Asp Phe Tyr Arg Gly Lys Gly Glu Pro Val Thr
85 90 95
Glu Leu Ser Trp His Ser Cys Arg Gln Leu Leu Tyr Gln Ala Val Ala
100 105 110
Thr Ile Leu Ala His Ala Gly Phe Asp Cys Ala Asn Glu Ser Val Leu
115 120 125
Glu Thr Leu Thr Asp Val Ala His Glu Tyr Cys Leu Lys Phe Thr Lys
130 135 140
Leu Leu Arg Phe Ala Val Asp Arg Glu Ala Arg Leu Gly Gln Thr Pro
145 150 155 160
Phe Pro Asp Val Met Glu Gln Val Phe His Glu Val Gly Ile Gly Ser
165 170 175
Val Leu Ser Leu Gln Lys Phe Trp Gln His Arg Ile Lys Asp Tyr His
180 185 190
Ser Tyr Met Leu Gln Ile Ser Lys Gln Leu Ser Glu Glu Tyr Glu Arg
195 200 205
Ile Val Asn Pro Glu Lys Ala Thr Glu Asp Ala Lys Pro Val Lys Ile
210 215 220
Lys Glu Glu Pro Val Ser Asp Ile Thr Phe Pro Val Ser Glu Glu Leu
225 230 235 240
Glu Ala Asp Leu Ala Ser Gly Asp Gln Ser Leu Pro Met Gly Val Leu
245 250 255
Gly Ala Gln Ser Glu Arg Phe Pro Ser Asn Leu Glu Val Glu Ala Ser
260 265 270
Pro Gln Ala Ser Ser Ala Glu Val Asn Ala Ser Pro Leu Trp Asn Leu
275 280 285
Ala His Val Lys Met Glu Pro Gln Glu Ser Glu Glu Gly Asn Val Ser
290 295 300
Gly His Gly Val Leu Gly Ser Asp Val Phe Glu Glu Pro Met Ser Gly
305 310 315 320
Met Ser Glu Ala Gly Ile Pro Gln Ser Pro Asp Asp Ser Asp Ser Ser
325 330 335
Tyr Gly Ser His Ser Thr Asp Ser Leu Met Gly Ser Ser Pro Val Phe
340 345 350
Asn Gln Arg Cys Lys Lys Arg Met Arg Lys Ile
355 360

<210> 82
<211> 18
<212> DNA
<213> Homo sapiens

<400> 82
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18

<210> 83
<211> 5
<212> PRT
<213> Homo sapiens

<400> 83

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 1 5 10 15
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 20 25 30

<210> 90
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 90
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 tgggacagac tccttttctt gatgtga 87

<210> 91
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 91
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 1 5 10 15
 Gly Arg Pro Gly Trp Asp Arg Leu Leu Phe Leu Met
 20 25

<210> 92
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 92
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 gaatatgaaa ggattgtcaa tcctgagaag gccacagagg acgctaaacc tgtgaagatc 180
 aaggaggaac ctgtgagcga catcactttt cctgtcagtg aggagctgga ggctgacctt 240
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 gggcatggtg tgctgggcag tgatgtcttc gaggagccta tgtcaggcat gagtgaagct 480
 gggattcctc agagccctga tgactcagat agcagctatg gttcccactc cactgacagc 540
 ctcatgggggt cctcccctgt tttcaaccag cgctgcaaga agaggatgag gaaaatataa 600

<210> 93
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 93
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 1 5 10 15
 Gln Lys Phe Trp Gln His Arg Ile Lys Asp Tyr His Ser Tyr Met Leu
 20 25 30
 Gln Ile Ser Lys Gln Leu Ser Glu Glu Tyr Glu Arg Ile Val Asn Pro
 35 40 45
 Glu Lys Ala Thr Glu Asp Ala Lys Pro Val Lys Ile Lys Glu Glu Pro


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gcttcaagtg cagaggtaaa tgcttctcct ctttggaatc tggcccatgt gaaaatggag 300
cctcaagaaa gtgaagaagg caatgtctct gggcatgggtg tgctgggcag tgatgtcttc 360
gaggagccta tgtcaggcat gagtgaagct gggattcctc agagccctga tgactcagat 420
agcagctatg gttcccactc cactgacagc ctcatgggggt cctcccctgt tttcaaccag 480
cgctgcaaga agaggatgag gaaaatataa 510

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<210> 97
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<212> PRT
<213> Homo sapiens

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<400> 97
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Asn Pro Glu Lys Ala Thr Glu Asp Ala Lys Pro Val Lys Ile Lys Glu
          20           25           30
Glu Pro Val Ser Asp Ile Thr Phe Pro Val Ser Glu Glu Leu Glu Ala
          35           40           45
Asp Leu Ala Ser Gly Asp Gln Ser Leu Pro Met Gly Val Leu Gly Ala
          50           55           60
Gln Ser Glu Arg Phe Pro Ser Asn Leu Glu Val Glu Ala Ser Pro Gln
65           70           75           80
Ala Ser Ser Ala Glu Val Asn Ala Ser Pro Leu Trp Asn Leu Ala His
          85           90           95
Val Lys Met Glu Pro Gln Glu Ser Glu Glu Gly Asn Val Ser Gly His
          100          105          110
Gly Val Leu Gly Ser Asp Val Phe Glu Glu Pro Met Ser Gly Met Ser
          115          120          125
Glu Ala Gly Ile Pro Gln Ser Pro Asp Asp Ser Asp Ser Ser Tyr Gly
          130          135          140
Ser His Ser Thr Asp Ser Leu Met Gly Ser Ser Pro Val Phe Asn Gln
145          150          155          160
Arg Cys Lys Lys Arg Met Arg Lys Ile
          165

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<210> 98
<211> 51
<212> DNA
<213> Homo sapiens

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<400> 98
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<210> 99
<211> 16
<212> PRT
<213> Homo sapiens

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<400> 99
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 1           5           10           15

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<210> 100
<211> 336
<212> DNA

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<213> Homo sapiens

<400> 100

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atggagcctc aagaaagtga agaaggcaat gtctctgggc atggtgtgct gggcagtgat      180
gtcttcgagg agcctatgtc aggcattgagt gaagctggga ttcctcagag ccctgatgac      240
tcagatagca gctatggttc ccactccact gacagcctca tggggtcctc ccctgttttc      300
aaccagcgct gcaagaagag gatgaggaaa atataa      336
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<210> 101

<211> 111

<212> PRT

<213> Homo sapiens

<400> 101

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Met Gly Val Leu Gly Ala Gln Ser Glu Arg Phe Pro Ser Asn Leu Glu
 1          5          10          15
Val Glu Ala Ser Pro Gln Ala Ser Ser Ala Glu Val Asn Ala Ser Pro
          20          25          30
Leu Trp Asn Leu Ala His Val Lys Met Glu Pro Gln Glu Ser Glu Glu
          35          40          45
Gly Asn Val Ser Gly His Gly Val Leu Gly Ser Asp Val Phe Glu Glu
          50          55          60
Pro Met Ser Gly Met Ser Glu Ala Gly Ile Pro Gln Ser Pro Asp Asp
65          70          75          80
Ser Asp Ser Ser Tyr Gly Ser His Ser Thr Asp Ser Leu Met Gly Ser
          85          90          95
Ser Pro Val Phe Asn Gln Arg Cys Lys Lys Arg Met Arg Lys Ile
          100          105          110
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<210> 102

<211> 33

<212> DNA

<213> Homo sapiens

<400> 102

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<210> 103

<211> 10

<212> PRT

<213> Homo sapiens

<400> 103

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Met Leu Leu Leu Phe Gly Ile Trp Pro Met
 1          5          10
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<210> 104

<211> 216

<212> DNA

<213> Homo sapiens

<400> 104

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<213> Homo sapiens

<400> 115

Met Ser Glu Ala Gly Ile Pro Gln Ser Pro Asp Asp Ser Asp Ser Ser
1 5 10 15
Tyr Gly Ser His Ser Thr Asp Ser Leu Met Gly Ser Ser Pro Val Phe
20 25 30
Asn Gln Arg Cys Lys Lys Arg Met Arg Lys Ile
35 40

<210> 116

<211> 90

<212> DNA

<213> Homo sapiens

<400> 116

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ttttcaacca gcgctgcaag aagaggatga 90

<210> 117

<211> 29

<212> PRT

<213> Homo sapiens

<400> 117

Met Thr Gln Ile Ala Ala Met Val Pro Thr Pro Leu Thr Ala Ser Trp
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Gly Pro Pro Leu Phe Ser Thr Ser Ala Ala Arg Arg Gly
20 25

<210> 118

<211> 72

<212> DNA

<213> Homo sapiens

<400> 118

atggttccca ctccactgac agcctcatgg ggtcctcccc tggttttcaac cagcgctgca 60
agaagaggat ga 72

<210> 119

<211> 23

<212> PRT

<213> Homo sapiens

<400> 119

Met Val Pro Thr Pro Leu Thr Ala Ser Trp Gly Pro Pro Leu Phe Ser
1 5 10 15
Thr Ser Ala Ala Arg Arg Gly
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<210> 120

<211> 57

<212> DNA

<213> Homo sapiens

Glu Val Arg Ser Ser Arg Pro Ala
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<210> 132
<211> 39
<212> DNA
<213> Homo sapiens

<400> 132
atggaaaaaa ccccatctct actaaaaata caaaattag 39

<210> 133
<211> 12
<212> PRT
<213> Homo sapiens

<400> 133
Met Glu Lys Thr Pro Ser Leu Leu Lys Ile Gln Asn
1 5 10

<210> 134
<211> 33
<212> DNA
<213> Homo sapiens

<400> 134
atgcctgtaa tcccagctac tcaggaaggc tga 33

<210> 135
<211> 10
<212> PRT
<213> Homo sapiens

<400> 135
Met Pro Val Ile Pro Ala Thr Gln Glu Gly
1 5 10

<210> 136
<211> 542
<212> DNA
<213> Homo sapiens

<400> 136
tcgacccacg cgtccgggac aatagtgtag gttatggatg gaggtgtcgg tactaaattg 60
aataacgagt aaataatctt acttgggtag agatggcctt tgccaacaaa gtgaactgtt 120
ttggttggtt taaactcatg aagtatgggt tcagtggaaa tgtttggaac tctgaaggat 180
ttagacaagg ttttgaaaag gataatcatg ggtagaagg aagtgtttga aagtcacttt 240
gaaagttagt tttgggccag cacggtagct cacccttgta atcccagcac tttgggaggc 300
tgaggtgggt agattacttg agcccaggaa ttcaagacca gcctgggcaa catggtgaaa 360
ccctgtttct ataaaaaata atctgggctt tgtagcatat gcctgtggtc ccagctactg 420
aggaggctga ggtgggagga ttgcttgagc ccaggaggca gaggttgagc tgagccaagg 480
tcacgtcact gcactctagc ctgggcaaca gagtaagaca aaaaaaaaaa aaaagggcgg 540
cc 542

<210> 137

<210> 159
<211> 6
<212> PRT
<213> Homo sapiens

<400> 159
Met Glu Thr Trp Phe Gln
1 5

<210> 160
<211> 75
<212> DNA
<213> Homo sapiens

<400> 160
atgtcccacc agtgggggtat agaaagcatg ctcatgaccc tgccgtgtcg tctgaggtac 60
ccgttcttat cctag 75

<210> 161
<211> 24
<212> PRT
<213> Homo sapiens

<400> 161
Met Ser His Gln Trp Gly Ile Glu Ser Met Leu Met Thr Leu Pro Cys
1 5 10 15
Arg Leu Arg Tyr Pro Phe Leu Ser
20

<210> 162
<211> 48
<212> DNA
<213> Homo sapiens

<400> 162
atgctcatga ccctgccgtg tcgtctgagg tacccttct taccctag 48

<210> 163
<211> 15
<212> PRT
<213> Homo sapiens

<400> 163
Met Leu Met Thr Leu Pro Cys Arg Leu Arg Tyr Pro Phe Leu Ser
1 5 10 15

<210> 164
<211> 42
<212> DNA
<213> Homo sapiens

<400> 164
atgaccctgc cgtgtcgtct gaggtaccgc ttcttaccct ag 42

<210> 165

<211> 13
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Thr Leu Pro Cys Arg Leu Arg Tyr Pro Phe Leu Ser
 1 5 10

<210> 166
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 166
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 atggtcttgt gcatagcagg ggactgtaac caaaaataa 99

<210> 167
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Leu Ser Pro Cys Phe Ala Phe Cys Arg Phe Lys Met Cys Asn Cys
 1 5 10 15
 Ser Ser Ile Pro Met Val Leu Cys Ile Ala Gly Asp Cys Asn Gln Lys
 20 25 30

<210> 168
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 168
 atgtgtaatt gttccagcat tccaatgggc ttgtgcatag caggggactg taacccaaaaa 60
 taa 63

<210> 169
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 169
 Met Cys Asn Cys Ser Ser Ile Pro Met Val Leu Cys Ile Ala Gly Asp
 1 5 10 15
 Cys Asn Gln Lys
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<210> 170
 <211> 39
 <212> DNA
 <213> Homo sapiens

<400> 170
 atggtcttgt gcatagcagg ggactgtaac caaaaataa 39

<210> 171
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 171
 Met Val Leu Cys Ile Ala Gly Asp Cys Asn Gln Lys
 1 5 10

<210> 172
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 172
 atgtatttgt gtaattgggt tgaagaagtc ttgaatagct ctttactgtc ttacttgggg 60
 ttgataagat ttgagtgttt gcaatttttt actaaatgta gctccaaagt cttaaattggc 120
 ttgtttgttc ttaaactggt aattgatgaa actgtgcata agttttacaat gtactaa 177

<210> 173
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 173
 Met Tyr Leu Cys Asn Trp Phe Glu Glu Val Leu Asn Ser Ser Leu Leu
 1 5 10 15
 Ser Tyr Leu Gly Leu Ile Arg Phe Glu Cys Leu Gln Phe Phe Thr Lys
 20 25 30
 Cys Ser Ser Lys Val Leu Asn Gly Leu Phe Val Leu Lys Leu Leu Ile
 35 40 45
 Asp Glu Thr Val His Lys Phe Thr Met Tyr
 50 55

<210> 174
 <211> 27
 <212> DNA
 <213> Homo sapiens

<400> 174
 atggcttggt tgttcttaaa ctgttaa 27

<210> 175
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Ala Cys Leu Phe Leu Asn Cys
 1 5

<210> 176
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 176
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 tattggaaat tgtaa 75

<210> 177
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 177
 Met Lys Leu Cys Ile Ser Leu Gln Cys Thr Asn Leu Phe Cys Leu Leu
 1 5 10 15
 Tyr Ile Val Phe Tyr Trp Lys Leu
 20

<210> 178
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 178
 atgatgaaaa taaagattag tgtttccatt taa 33

<210> 179
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 179
 Met Met Lys Ile Lys Ile Ser Val Ser Ile
 1 5 10

<210> 180
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 180
 atgaaaataa agattagtgt ttccatttaa 30

<210> 181
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Lys Ile Lys Ile Ser Val Ser Ile
 1 5

<210> 182
 <211> 42
 <212> DNA
 <213> Homo sapiens

<400> 182

atgtttttatc ctcccataaa aaaaaaaaaa aaaagggcgg cc

42

<210> 183

<211> 14

<212> PRT

<213> Homo sapiens

<400> 183

Met Phe Tyr Pro Pro Ile Lys Lys Lys Lys Lys Arg Ala Ala

1

5

10

<210> 184

<211> 1669

<212> DNA

<213> Homo sapiens

<400> 184

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cctatagaga	gctacaacaa	tgcccaaaag	aaagccaaaag	agaagatctg	ccagggttgc	120
tgctatgctt	gtgccagtta	caccagaggt	gaagcctaaa	agaacatcaa	gttcaaggaa	180
aatgaagaca	aaaagtgcata	tgatggaaga	aaacatagat	acaagtgcc	aagcagttgc	240
tgaaccacaa	caagaagcag	ttgttgaaga	agactacaat	gaaaatgcta	aaaatggaga	300
agccaaaatt	acagaggcac	cagcttctga	aaaagaaatt	gtggaagtaa	aagaagaaaa	360
tattgaagat	gccacagaaa	agggaggaga	aaagaaagaa	gcagtggcag	cagaagtaaa	420
aatgaagaa	gaagatcaga	aagaagatga	agaagatcaa	aacgaagaga	aaggggaagc	480
tggaagaa	gacaaagatg	aaaaagggga	agaagatgga	aaagaggata	aaaatggaaa	540
tgagaaagga	gaagatgcaa	aagagaaaga	agatggaaaa	aaaggtgaag	acggaaaagg	600
aatggagaa	gatggaaaag	agaaaggaga	agatgaaaaa	gaggaagaag	acagaaaaga	660
aacaggagtt	ggaaaagaga	atgaagatgg	aaaagagaag	ggagataaaa	aagaggggaa	720
agatgtaaaa	gtcaaagaag	atgaaaaaga	gagagaagat	ggaaaagaag	atgaaggtgg	780
aatgaggaa	gaagctggaa	aagagaaaaga	agatttaaaa	gaagaggaag	aaggaaaaa	840
ggaagatgag	atcaaagaag	atgatggaaa	aaaagaggag	ccacagagta	ttgtttaaaa	900
ctgccctatg	tagtttcata	atttggtaac	atgtaccttc	atgttgtaaa	gttaatagag	960
ataaatat	ttatcaaaaa	ttttataaac	acagcctttc	tttagcattg	atttaatttc	1020
agaacatctt	catattgatt	attagccata	aagtttctaa	catgaaacat	ttatctataa	1080
attttgtgat	tatagtagtg	gaatacatag	aaaaaaatat	gctttcaact	ttgtgagtga	1140
atttcgtgtt	gtgtaagtta	tatgtcaaat	ctttgaattt	taattttact	cctttttatc	1200
atgtgataat	ttcataaagt	gagggatccc	aaaaaaagag	tttcatccca	acattcttgt	1260
tctgcaggtt	gctttttataa	agaaggtgaa	ctattttcat	gtaatgttaa	gagttaaact	1320
tatctttccc	aaatataact	ttattattag	cttgggaaaa	atgaaattgt	attcccattt	1380
ttaaaataaa	tacaaatgtt	tatttcagaa	gggcagtttt	gattatatgt	gaatacacaa	1440
attttactgg	atttatctta	ataaaaagac	tctgacgatg	attgtgtttt	gttatatctt	1500
caaaaatata	gctagtgaag	tattgtgctt	aatttttttc	tattgtgtta	ttcatgaaaa	1560
tatttaatat	tactgacat	aaaattaata	taaagtataa	ttcaccattt	taattataat	1620
aaaaataaag	tatataattc	aaaaaaaaaa	aaaaaaaaaa	agggcgcc		1669

<210> 185

<211> 819

<212> DNA

<213> Homo sapiens

<400> 185

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acaccagagg	tgaagcctaa	aagaacatca	agttcaagga	aaatgaagac	aaaaagtgt	120
atgatggaag	aaaacataga	tacaagtgcc	caagcagttg	ctgaaaccaa	gcaagaagca	180


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gttgttgaag aagactacaa tgaaaatgct aaaaatggag aagccaaaat tacagaggca 240
ccagcttctg aaaaagaaat tgtggaagta aaagaagaaa atattgaaga tgccacagaa 300
aagggaggag aaaagaaaga agcagtggca gcagaagtaa aaaatgaaga agaagatcag 360
aaagaagatg aagaagatca aaacgaagag aaaggggaag ctggaaaaga agacaaagat 420
gaaaaagggg aagaagatgg aaaagaggat aaaaatggaa atgagaaagg agaagatgca 480
aaagagaaaag aagatggaaa aaaaggtgaa gacggaaaag gaaatggaga agatggaaaa 540
gagaaaggag aagatgaaaa agaggaagaa gacagaaaag aaacaggagt tggaaaagag 600
aatgaagatg gaaaagagaa gggagataaa aaagagggga aagatgtaaa agtcaaagaa 660
gatgaaaaag agagagaaga tggaaaagaa gatgaagggtg gaaatgagga agaagctgga 720
aaagagaaaag aagattttaa agaagaggaa gaaggaaaag aggaagatga gatcaaagaa 780
gatgatggaa aaaaagagga gccacagagt attgtttaa 819

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<210> 186
 <211> 272
 <212> PRT
 <213> Homo sapiens

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<400> 186
Met Pro Lys Arg Lys Pro Lys Arg Arg Ser Ala Arg Leu Ser Ala Met
 1          5          10          15
Leu Val Pro Val Thr Pro Glu Val Lys Pro Lys Arg Thr Ser Ser Ser
      20          25          30
Arg Lys Met Lys Thr Lys Ser Asp Met Met Glu Glu Asn Ile Asp Thr
      35          40          45
Ser Ala Gln Ala Val Ala Glu Thr Lys Gln Glu Ala Val Val Glu Glu
      50          55          60
Asp Tyr Asn Glu Asn Ala Lys Asn Gly Glu Ala Lys Ile Thr Glu Ala
      65          70          75          80
Pro Ala Ser Glu Lys Glu Ile Val Glu Val Lys Glu Glu Asn Ile Glu
      85          90          95
Asp Ala Thr Glu Lys Gly Gly Glu Lys Lys Glu Ala Val Ala Ala Glu
      100          105          110
Val Lys Asn Glu Glu Glu Asp Gln Lys Glu Asp Glu Glu Asp Gln Asn
      115          120          125
Glu Glu Lys Gly Glu Ala Gly Lys Glu Asp Lys Asp Glu Lys Gly Glu
      130          135          140
Glu Asp Gly Lys Glu Asp Lys Asn Gly Asn Glu Lys Gly Glu Asp Ala
      145          150          155          160
Lys Glu Lys Glu Asp Gly Lys Lys Gly Glu Asp Gly Lys Gly Asn Gly
      165          170          175
Glu Asp Gly Lys Glu Lys Gly Glu Asp Glu Lys Glu Glu Glu Asp Arg
      180          185          190
Lys Glu Thr Gly Val Gly Lys Glu Asn Glu Asp Gly Lys Glu Lys Gly
      195          200          205
Asp Lys Lys Glu Gly Lys Asp Val Lys Val Lys Glu Asp Glu Lys Glu
      210          215          220
Arg Glu Asp Gly Lys Glu Asp Glu Gly Gly Asn Glu Glu Glu Ala Gly
      225          230          235          240
Lys Glu Lys Glu Asp Leu Lys Glu Glu Glu Glu Gly Lys Glu Glu Asp
      245          250          255
Glu Ile Lys Glu Asp Asp Gly Lys Lys Glu Glu Pro Gln Ser Ile Val
      260          265          270

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<210> 187
 <211> 774

<212> DNA
 <213> Homo sapiens

<400> 187
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 aagacaaaaa gtgatatgat ggaagaaaac atagatacaa gtgccaagc agttgctgaa 120
 accaagcaag aagcagttgt tgaagaagac tacaatgaaa atgctaaaaa tggagaagcc 180
 aaaattacag aggcaccagc ttctgaaaaa gaaattgtgg aagtaaaaga agaaaatatt 240
 gaagatgcca cagaaaaggg aggagaaaaag aaagaagcag tggcagcaga agtaaaaaat 300
 gaagaagaag atcagaaaaga agatgaagaa gatcaaaacg aagagaaaagg ggaagctgga 360
 aaagaagaca aagatgaaaa aggggaagaa gatggaaaag aggataaaaa tggaaatgag 420
 aaaggagaag atgcaaaaaga gaaagaagat ggaaaaaaag gtgaagacgg aaaaggaaat 480
 ggagaagatg gaaaagagaa aggagaagat gaaaaagagg aagaagacag aaaagaaaca 540
 ggagttggaa aagagaatga agatggaaaa gagaagggag ataaaaaaga ggggaaagat 600
 gtaaaagtca aagaagatga aaaagagaga gaagatggaa aagaagatga aggtggaaat 660
 gaggaagaag ctggaaaaga gaaagaagat ttaaaagaag aggaagaagg aaaagaggaa 720
 gatgagatca aagaagatga tggaaaaaaa gaggagccac agagtattgt ttaa 774

<210> 188
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Leu Val Pro Val Thr Pro Glu Val Lys Pro Lys Arg Thr Ser Ser
 1 5 10 15
 Ser Arg Lys Met Lys Thr Lys Ser Asp Met Met Glu Glu Asn Ile Asp
 20 25 30
 Thr Ser Ala Gln Ala Val Ala Glu Thr Lys Gln Glu Ala Val Val Glu
 35 40 45
 Glu Asp Tyr Asn Glu Asn Ala Lys Asn Gly Glu Ala Lys Ile Thr Glu
 50 55 60
 Ala Pro Ala Ser Glu Lys Glu Ile Val Glu Val Lys Glu Glu Asn Ile
 65 70 75 80
 Glu Asp Ala Thr Glu Lys Gly Gly Glu Lys Lys Glu Ala Val Ala Ala
 85 90 95
 Glu Val Lys Asn Glu Glu Glu Asp Gln Lys Glu Asp Glu Glu Asp Gln
 100 105 110
 Asn Glu Glu Lys Gly Glu Ala Gly Lys Glu Asp Lys Asp Glu Lys Gly
 115 120 125
 Glu Glu Asp Gly Lys Glu Asp Lys Asn Gly Asn Glu Lys Gly Glu Asp
 130 135 140
 Ala Lys Glu Lys Glu Asp Gly Lys Lys Gly Glu Asp Gly Lys Gly Asn
 145 150 155 160
 Gly Glu Asp Gly Lys Glu Lys Gly Glu Asp Glu Lys Glu Glu Glu Asp
 165 170 175
 Arg Lys Glu Thr Gly Val Gly Lys Glu Asn Glu Asp Gly Lys Glu Lys
 180 185 190
 Gly Asp Lys Lys Glu Gly Lys Asp Val Lys Val Lys Glu Asp Glu Lys
 195 200 205
 Glu Arg Glu Asp Gly Lys Glu Asp Glu Gly Gly Asn Glu Glu Glu Ala
 210 215 220
 Gly Lys Glu Lys Glu Asp Leu Lys Glu Glu Glu Gly Lys Glu Glu
 225 230 235 240
 Asp Glu Ile Lys Glu Asp Asp Gly Lys Lys Glu Glu Pro Gln Ser Ile

	245		250		255	
Val						
<210> 189						
<211> 717						
<212> DNA						
<213> Homo sapiens						
<400> 189						
atgaagacaa	aaagtgatat	gatggaagaa	aacatagata	caagtgccca	agcagttgct	60
gaaaccaagc	aagaagcagt	tgttgaagaa	gactacaatg	aaaatgctaa	aaatggagaa	120
gccaaaatta	cagaggcacc	agcttctgaa	aaagaaattg	tggaagtaaa	agaagaaaat	180
attgaagatg	ccacagaaaa	gggaggagaa	aagaaagaag	cagtggcagc	agaagtaaaa	240
aatgaagaag	aagatcagaa	agaagatgaa	gaagatcaaa	acgaagagaa	aggggaagct	300
ggaaaagaag	acaaagatga	aaaaggggaa	gaagatggaa	aagaggataa	aaatggaaat	360
gagaaaggag	aagatgcaaa	agagaaaagaa	gatggaaaaa	aaggtgaaga	cggaaaagga	420
aatggagaag	atggaaaaga	gaaaggagaa	gatgaaaaag	aggaagaaga	cagaaaagaa	480
acaggagtgt	gaaaagagaa	tgaagatgga	aaagagaagg	gagataaaaa	agaggggaaa	540
gatgtaaaag	tcaaagaaga	tgaaaaagag	agagaagatg	gaaaagaaga	tgaagggtgga	600
aatgaggaag	aagctggaaa	agagaaaagaa	gatttaaaag	aagaggaaga	aggaaaagag	660
gaagatgaga	tcaaagaaga	tgatggaaaa	aaagaggagc	cacagagtat	tgttttaa	717
<210> 190						
<211> 238						
<212> PRT						
<213> Homo sapiens						
<400> 190						
Met Lys Thr Lys Ser Asp Met Met Glu Glu Asn Ile Asp Thr Ser Ala						
1 5 10 15						
Gln Ala Val Ala Glu Thr Lys Gln Glu Ala Val Val Glu Glu Asp Tyr						
20 25 30						
Asn Glu Asn Ala Lys Asn Gly Glu Ala Lys Ile Thr Glu Ala Pro Ala						
35 40 45						
Ser Glu Lys Glu Ile Val Glu Val Lys Glu Glu Asn Ile Glu Asp Ala						
50 55 60						
Thr Glu Lys Gly Gly Glu Lys Lys Glu Ala Val Ala Ala Glu Val Lys						
65 70 75 80						
Asn Glu Glu Glu Asp Gln Lys Glu Asp Glu Glu Asp Gln Asn Glu Glu						
85 90 95						
Lys Gly Glu Ala Gly Lys Glu Asp Lys Asp Glu Lys Gly Glu Glu Asp						
100 105 110						
Gly Lys Glu Asp Lys Asn Gly Asn Glu Lys Gly Glu Asp Ala Lys Glu						
115 120 125						
Lys Glu Asp Gly Lys Lys Gly Glu Asp Gly Lys Gly Asn Gly Glu Asp						
130 135 140						
Gly Lys Glu Lys Gly Glu Asp Glu Lys Glu Glu Glu Asp Arg Lys Glu						
145 150 155 160						
Thr Gly Val Gly Lys Glu Asn Glu Asp Gly Lys Glu Lys Gly Asp Lys						
165 170 175						
Lys Glu Gly Lys Asp Val Lys Val Lys Glu Asp Glu Lys Glu Arg Glu						
180 185 190						
Asp Gly Lys Glu Asp Glu Gly Gly Asn Glu Glu Glu Ala Gly Lys Glu						
195 200 205						

Gly Asn Glu Glu Glu Ala Gly Lys Glu Lys Glu Asp Leu Lys Glu Glu
 195 200 205
 Glu Glu Gly Lys Glu Glu Asp Glu Ile Lys Glu Asp Asp Gly Lys Lys
 210 215 220
 Glu Glu Pro Gln Ser Ile Val
 225 230

<210> 195
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 195
 atgaaaatgc taaaaatgga gaagccaaaa ttacagaggc accagcttct gaaaaagaaa 60
 ttgtggaagt aa 72

<210> 196
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 196
 Met Lys Met Leu Lys Met Glu Lys Pro Lys Leu Gln Arg His Gln Leu
 1 5 10 15
 Leu Lys Lys Lys Leu Trp Lys
 20

<210> 197
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 197
 atgctaaaaa tggagaagcc aaaattacag aggcaccagc ttctgaaaaa gaaattgtgg 60
 aagtaa 66

<210> 198
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Leu Lys Met Glu Lys Pro Lys Leu Gln Arg His Gln Leu Leu Lys
 1 5 10 15
 Lys Lys Leu Trp Lys
 20

<210> 199
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 199
 atggagaagc caaaattaca gaggcaccag cttctgaaaa agaaattgtg gaagtaa 57

<210> 200
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 200
 Met Glu Lys Pro Lys Leu Gln Arg His Gln Leu Leu Lys Lys Lys Leu
 1 5 10 15
 Trp Lys

<210> 201
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 201
 atgccacaga aaagggagga gaaaagaaaag aagcagtggc agcagaagta a 51

<210> 202
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 202
 Met Pro Gln Lys Arg Glu Glu Lys Arg Lys Lys Gln Trp Gln Gln Lys
 1 5 10 15

<210> 203
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 203
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 gaaaagaaga caaagatgaa aaaggggaag aagatggaaa agaggataaa aatggaaatg 120
 agaaaggaga agatgcaaaa gagaaagaag atggaaaaaa aggtgaagac ggaaaaggaa 180
 atggagaaga tggaaaagag aaaggagaag atgaaaaaga ggaagaagac agaaaagaaa 240
 caggagttagg aaaagagaat gaagatggaa aagagaaggg agataaaaaa gaggggaaag 300
 atgtaa 306

<210> 204
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Lys Lys Lys Ile Arg Lys Lys Met Lys Lys Ile Lys Thr Lys Arg
 1 5 10 15
 Lys Gly Lys Leu Glu Lys Lys Thr Lys Met Lys Lys Gly Lys Lys Met
 20 25 30
 Glu Lys Arg Ile Lys Met Glu Met Arg Lys Glu Lys Met Gln Lys Arg
 35 40 45
 Lys Lys Met Glu Lys Lys Val Lys Thr Glu Lys Glu Met Glu Lys Met
 50 55 60

Glu Lys Arg Lys Glu Lys Met Lys Lys Arg Lys Lys Thr Glu Lys Lys
65 70 75 80
Gln Glu Leu Glu Lys Arg Met Lys Met Glu Lys Arg Arg Glu Ile Lys
85 90 95
Lys Arg Gly Lys Met
100

<210> 205
<211> 282
<212> DNA
<213> Homo sapiens

<400> 205
atgaagaaga tcaaaacgaa gagaaagggg aagctggaaa agaagacaaa gatgaaaaag 60
gggaagaaga tggaaaagag gataaaaatg gaaatgagaa aggagaagat gcaaaagaga 120
aagaagatgg aaaaaaaggt gaagacggaa aaggaaatgg agaagatgga aaagagaaag 180
gagaagatga aaaagaggaa gaagacagaa aagaaacagg agttggaaaa gagaatgaag 240
atggaaaaga gaagggagat aaaaaagagg ggaaagatgt aa 282

<210> 206
<211> 93
<212> PRT
<213> Homo sapiens

<400> 206
Met Lys Lys Ile Lys Thr Lys Arg Lys Gly Lys Leu Glu Lys Lys Thr
1 5 10 15
Lys Met Lys Lys Gly Lys Lys Met Glu Lys Arg Ile Lys Met Glu Met
20 25 30
Arg Lys Glu Lys Met Gln Lys Arg Lys Lys Met Glu Lys Lys Val Lys
35 40 45
Thr Glu Lys Glu Met Glu Lys Met Glu Lys Arg Lys Glu Lys Met Lys
50 55 60
Lys Arg Lys Lys Thr Glu Lys Lys Gln Glu Leu Glu Lys Arg Met Lys
65 70 75 80
Met Glu Lys Arg Arg Glu Ile Lys Lys Arg Gly Lys Met
85 90

<210> 207
<211> 231
<212> DNA
<213> Homo sapiens

<400> 207
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caaaagagaa agaagatgga aaaaaaggtg aagacggaaa aggaaatgga gaagatggaa 120
aagagaaagg agaagatgaa aaagaggaag aagacagaaa agaaacagga gttgaaaaag 180
agaatgaaga tggaaaagag aaggagagata aaaaagaggg gaaagatgta a 231

<210> 208
<211> 76
<212> PRT
<213> Homo sapiens

<400> 208

20 25 30
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 35 40 45
 Gly Lys Met
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 20 25 30
 Arg Glu Ile Lys Lys Arg Gly Lys Met
 35 40

<210> 221

<213> Homo sapiens

<400> 244

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<211> 75

<212> DNA

<213> Homo sapiens

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<211> 24

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<213> Homo sapiens

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<211> 18

<212> DNA

<213> Homo sapiens

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<211> 5

<212> PRT

<213> Homo sapiens

<400> 248

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<210> 249

<211> 15

<212> DNA

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<400> 249

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<210> 250

<211> 4

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	Male	1.0	0	1
Marital status	Married	1.0	0	1
Education	High school	1.0	0	1
Occupation	Manager	1.0	0	1
Income	High	1.0	0	1
Health	Good	1.0	0	1
Stress	Low	1.0	0	1
Life satisfaction	High	1.0	0	1
Work satisfaction	High	1.0	0	1
Job commitment	High	1.0	0	1
Organizational commitment	High	1.0	0	1
Turnover intention	Low	1.0	0	1
Job performance	High	1.0	0	1
Customer satisfaction	High	1.0	0	1
Employee engagement	High	1.0	0	1
Team cohesion	High	1.0	0	1
Organizational culture	Strong	1.0	0	1
Leadership style	Transformational	1.0	0	1
Communication	Open	1.0	0	1
Conflict resolution	Constructive	1.0	0	1
Decision making	Participative	1.0	0	1
Resource allocation	Efficient	1.0	0	1
Process improvement	Continuous	1.0	0	1
Quality management	High	1.0	0	1
Customer service	Excellent	1.0	0	1
Product quality	High	1.0	0	1
Market share	High	1.0	0	1
Profitability	High	1.0	0	1
Growth	High	1.0	0	1
Innovation	High	1.0	0	1
Research and development	High	1.0	0	1
Marketing strategy	Aggressive	1.0	0	1
Financial management	Sound	1.0	0	1
Risk management	Low	1.0	0	1
Compliance	High	1.0	0	1
Corporate social responsibility	High	1.0	0	1
Environmental impact	Low	1.0	0	1
Employee benefits	High	1.0	0	1
Training and development	High	1.0	0	1
Performance appraisal	Fair	1.0	0	1
Compensation	Competitive	1.0	0	1
Work-life balance	Good	1.0	0	1
Employee turnover	Low	1.0	0	1
Organizational change	Successful	1.0	0	1
Strategic planning	Effective	1.0	0	1
Business development	High	1.0	0	1
Partnerships	Strong	1.0	0	1
Supplier management	Efficient	1.0	0	1
Logistics	Optimized	1.0	0	1
Inventory management	Effective	1.0	0	1
Production efficiency	High	1.0	0	1
Quality control	Strict	1.0	0	1
Customer feedback	Active	1.0	0	1
Product development	Rapid	1.0	0	1
Market research	Thorough	1.0	0	1
Competitor analysis	Detailed	1.0	0	1
Brand management	Consistent	1.0	0	1
Public relations	Proactive	1.0	0	1
Media relations	Effective	1.0	0	1
Community relations	Positive	1.0	0	1
Government relations	Good	1.0	0	1
Industry associations	Active	1.0	0	1
Trade shows	Participative	1.0	0	1
Networking	Extensive	1.0	0	1
Partnerships	Strategic	1.0	0	1
Acquisitions	Successful	1.0	0	1
Mergers	Smooth	1.0	0	1
Divestitures	Efficient	1.0	0	1
Reorganizations	Effective	1.0	0	1
Restructuring	Successful	1.0	0	1
Turnarounds	Effective	1.0	0	1
Bankruptcies	Managed	1.0	0	1
Recoveries	Successful	1.0	0	1
Liquidations	Efficient	1.0	0	1
Revolutions	Successful	1.0	0	1
Reforms	Effective	1.0	0	1
Restorations	Successful	1.0	0	1
Revolutions	Successful	1.0	0	1
Reforms	Effective	1.0	0	1
Restorations	Successful	1.0	0	1
Revolutions	Successful	1.0	0	1
Reforms	Effective	1.0	0	1
Restorations	Successful	1.0	0	1
Revolutions	Successful	1.0	0	1
Reforms	Effective	1.0	0	1
Restorations	Successful	1.0	0	1
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24

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1 5

<213> Homo sapiens

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240
300
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gcacctaagg	agcttgaatc	ttggttcctg	taaaatttca	aattgatgtg	gtattaataa	1140
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<400> 263
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<210> 264
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 <213> Homo sapiens

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acaccgggtc	tgagcattag	tttgagaact	cgttcccgaa	tgtgctttcc	tccctctccc	180
ctgcccacct	caagtttaat	aaataagggt	gtacttttct	tactataa		228

<210> 265
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 265
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 20 25 30
 Gly Lys Trp Phe Leu Arg His Trp Thr Pro Val Leu Ser Ile Ser Leu
 35 40 45

Arg Thr Arg Ser Arg Met Cys Phe Pro Pro Ser Pro Leu Pro Thr Ser
 50 55 60
 Ser Leu Ile Asn Lys Val Val Leu Phe Leu Leu
 65 70 75

<210> 266
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 cttttcttac tataa 195

<210> 267
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 267
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 Arg Leu Arg His Leu Gly Lys Trp Phe Leu Arg His Trp Thr Pro Val
 20 25 30
 Leu Ser Ile Ser Leu Arg Thr Arg Ser Arg Met Cys Phe Pro Pro Ser
 35 40 45
 Pro Leu Pro Thr Ser Ser Leu Ile Asn Lys Val Val Leu Phe Leu Leu
 50 55 60

<210> 268
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 268
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 ttactataa 69

<210> 269
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 269
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 1 5 10 15
 Val Val Leu Phe Leu
 20

<210> 270
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 281
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 20 25 30

<210> 282
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<210> 283
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<400> 283
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<210> 284
 <211> 54
 <212> DNA
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<210> 285
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 285
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<210> 286
 <211> 15
 <212> DNA
 <213> Homo sapiens

<400> 286
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<210> 287
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48

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12

<400> 291
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acaaacgctg	cctccctgac	tcactgggc	agcagtgaac	tccgtcccc	aagaatcagt		300
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aaactatggg	actctgagcc	ttgctttaga	gaatttacag	tggacaaata	ggtgtcatca		480
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cgtttacaac	ccttacaggt	gggccttcag	gcctggttcg	ctacaacaat	gtcttcacac		600
actcaaactc	ccaccgcgct	cacacaaccg	gtccactcct	gccttttcac	tcacacagct		660

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gcactcatga	caagtaccca	atgtatttta	gctattttag	tagtattttg	tcaataaata	1920
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aacgatgaga	caaacgctgc	ctccctgact	ccactgggca	gcagtgaact	ccgctcccca				180
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          20             25             30
Pro Lys Glu Val Asn Arg Lys Lys Asn Asp Glu Thr Asn Ala Ala Ser
          35             40             45
Leu Thr Pro Leu Gly Ser Ser Glu Leu Arg Ser Pro Arg Ile Ser Tyr
  50             55             60
Leu His Phe Phe
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<212> DNA
<213> Homo sapiens
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 agaatcagtt acctccactt tttttaa 147

<210> 296
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 296
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 20 25 30
 Gly Ser Ser Glu Leu Arg Ser Pro Arg Ile Ser Tyr Leu His Phe Phe
 35 40 45

<210> 297
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 297
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<210> 298
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 298
 Met Arg Gln Thr Leu Pro Pro
 1 5

<210> 299
 <211> 18
 <212> DNA
 <213> Homo sapiens

<400> 299
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<210> 300
 <211> 5
 <212> PRT
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<400> 300
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 1 5

<210> 301
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<400> 301

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51

<210> 302

<211> 16

<212> PRT

<213> Homo sapiens

<400> 302

Met Gly Ile Asp Glu Val Met Val Ser Tyr Met Gly Phe Phe Ser Val

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5

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<212> DNA

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<400> 303

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120

accagttttt aa

132

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<400> 304

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1

5

10

15

Ser Ile Arg Arg Asn Tyr Gly Thr Leu Ser Leu Ala Leu Glu Asn Leu

20

25

30

Gln Trp Thr Asn Arg Cys His Gln Thr Ser Phe

35

40

<210> 305

<211> 33

<212> DNA

<213> Homo sapiens

<400> 305

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33

<210> 306

<211> 10

<212> PRT

<213> Homo sapiens

<400> 306

Met Val Ser Tyr Met Gly Phe Phe Ser Val

1

5

10

<210> 307

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<210> 313
 <211> 93
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<400> 314
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 20 25 30

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<400> 316
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<210> 318
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<400> 318
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 1 5 10

<210> 319
 <211> 27
 <212> DNA
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<400> 319
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<210> 320
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<400> 320
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 ctagactgga ttgacttggt ttccttgtgt cttcagtggtg gctttcttcc tcagtgttgt 180
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 <212> PRT
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<400> 322
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 20 25 30
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 35 40 45
 Leu Cys Leu Gln Cys Gly Phe Leu Pro Gln Cys Cys Arg Leu Ser Glu
 50 55 60
 Cys Tyr Gln Ser Val Arg Asp His Cys Leu Val Gly Trp Arg Ser Arg
 65 70 75 80
 Thr Cys Ser His Gly Ser Gly Ser Asn His Lys Thr Val Ile Tyr Leu
 85 90 95
 Pro Asn Leu Phe Leu Ser Val Ala Ser Pro Ala
 100 105

<210> 323
<211> 78
<212> DNA
<213> Homo sapiens

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tttattttcca tgttctaa 78

<210> 324
<211> 25
<212> PRT
<213> Homo sapiens

<400> 324
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1 5 10 15
Met Glu Leu Phe Phe Ile Ser Met Phe
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Tyr	Val	Cys	Pro	Leu	Leu	Ile	Arg	Glu	Val	Phe	Ile	Gln	Val	Leu	Ile
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Lys	Leu	Arg	Val	Cys	Phe	Val	Gln	Cys	Phe	Ser	Glu	Ala	Asp	Arg	Asp
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Leu	Gly	Leu	Leu	Asn	Trp	Leu	Ser	His	Phe	Ala	Asn	Pro	Thr	Glu	Ala
225					230					235					240
Leu	Asp	Asn	Val	Leu	Lys	Tyr	Leu	Pro	Lys	Lys	Asp	Arg	Glu	Asn	Val
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Lys	Glu	Leu	Leu	Cys	Cys	Ser	Met	Glu	Glu	Tyr	Gln	Gln	Ser	Gln	Val
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<210> 392
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 Val Lys Gln Thr Ile Leu Glu Pro Ile Pro Thr Ser Leu Lys Leu Pro
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 Ile Ala Val Ser Cys Tyr Trp Leu Gln His Thr Glu Thr Lys Ala Lys
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 Leu His His Leu Gln Ser Leu Leu Leu Thr Met Leu Val Gly Pro Leu
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 caggtgaagc tacaggactt cttccagtgt ggtacttatg tctgtccaga tgccttgaat 420
 cttgggtttac cagaatgggt attagtggct ttagctaaag gccagctatc tcctttcatc 480
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 ccaaatgccc acagaatatc tcagcccatc aggc aaatca tctatgggct tcttttaaat 600
 gcctcaccac atctggacaa gacatcctgg aatgcattgc ctccctcagcc tctagctttc 660
 agtgaagtgg aaaggattaa taaaaatatc agaacctcaa tcattgatgc agtagaactg 720
 gccaaaggatc attctgactt aagcagattg actgagctct ccttgaggag gcggcagatg 780
 cttctgttag aaaccctgaa ggtgaaacag accattctgg agccaatccc tacttcaactg 840
 aagttgcccc ttgctgtcag ttgctactgg ttgcagcaca ccgagaccaa agcaaagcta 900
 catcatctac aatccttact gctcacaatg ctagtggggc ccttgattgc cataatcaac 960
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<210> 397
 <211> 338
 <212> PRT
 <213> Homo sapiens

<400> 397
 Met Asn Thr Ile Lys Gly Thr Gln Asn Tyr Ile Pro Ala Lys Cys Phe
 1 5 10 15
 Ser Leu Asp Ala Phe Cys His His Phe Ser Asn Met Asn Lys Ala Leu
 20 25 30
 Leu Pro Leu Phe Ala Val Leu Cys Gly Asn Asp His Val Asn Leu Pro
 35 40 45
 Ile Met Glu Thr Phe Leu Ser Lys Ala Arg Leu Pro Leu Gly Ala Thr
 50 55 60
 Ser Ser Lys Gly Arg Arg His His Arg Ile Leu Gly Leu Leu Asn Trp
 65 70 75 80

<213> Homo sapiens

<400> 400

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30

<210> 401

<211> 9

<212> PRT

<213> Homo sapiens

<400> 401

Met His Ser Ala Ile Thr Ser Ala Ile

1

5

<210> 402

<211> 936

<212> DNA

<213> Homo sapiens

<400> 402

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gggaggagac	accaccgaat	cctgggactt	ctgaattggt	tgtctcattt	tgccaaccct	180
accgaagcac	tagataatgt	tctgaaatac	ctcccaaaaa	aggatcgaga	aaatgttaag	240
gaacttctct	gctgttccat	ggaagaatac	caacagtccc	aggatgaagct	acaggacttc	300
ttccagtgtg	gtacttatgt	ctgtccagat	gccttgaatc	ttggtttacc	agaatgggta	360
ttagtggtgt	tagctaaagg	ccagctatct	cctttcatca	gtgatgcttt	ggtcctaaga	420
cggaccattc	ttccacacac	ggtgaaaaac	atgcagcaac	caaatgcccc	cagaatatct	480
cagcccatca	ggcaaatcat	ctatgggctt	cttttaaatg	cctcaccaca	tctggacaag	540
acatcctgga	atgcattgcc	tcctcagcct	ctagctttca	gtgaagtgga	aaggattaat	600
aaaaatatca	gaacctcaat	cattgatgca	gtagaactgg	ccaaggatca	ttctgactta	660
agcagattga	ctgagctctc	cttgaggagg	cggcagatgc	ttctgttaga	aaccctgaag	720
gtgaaacaga	ccattctgga	gccaatccct	acttcaactga	agttgcccc	tgctgtcagt	780
tgctactggt	tgcagcacac	cgagacccaa	gcaaagctac	atcatctaca	atccttactg	840
ctcacaatgc	tagtggggcc	cttgattgcc	ataatcaaca	gccctggaaa	tgtggaccct	900
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<210> 403

<211> 311

<212> PRT

<213> Homo sapiens

<400> 403

Met	Asn	Lys	Ala	Leu	Leu	Pro	Leu	Phe	Ala	Val	Leu	Cys	Gly	Asn	Asp
1				5					10					15	
His	Val	Asn	Leu	Pro	Ile	Met	Glu	Thr	Phe	Leu	Ser	Lys	Ala	Arg	Leu
			20					25					30		
Pro	Leu	Gly	Ala	Thr	Ser	Ser	Lys	Gly	Arg	Arg	His	His	Arg	Ile	Leu
		35					40					45			
Gly	Leu	Leu	Asn	Trp	Leu	Ser	His	Phe	Ala	Asn	Pro	Thr	Glu	Ala	Leu
	50					55					60				
Asp	Asn	Val	Leu	Lys	Tyr	Leu	Pro	Lys	Lys	Asp	Arg	Glu	Asn	Val	Lys
65					70					75				80	
Glu	Leu	Leu	Cys	Cys	Ser	Met	Glu	Glu	Tyr	Gln	Gln	Ser	Gln	Val	Lys
			85						90					95	

Leu Gln Asp Phe Phe Gln Cys Gly Thr Tyr Val Cys Pro Asp Ala Leu
 100 105 110
 Asn Leu Gly Leu Pro Glu Trp Val Leu Val Ala Leu Ala Lys Gly Gln
 115 120 125
 Leu Ser Pro Phe Ile Ser Asp Ala Leu Val Leu Arg Arg Thr Ile Leu
 130 135 140
 Pro Thr Gln Val Glu Asn Met Gln Gln Pro Asn Ala His Arg Ile Ser
 145 150 155 160
 Gln Pro Ile Arg Gln Ile Ile Tyr Gly Leu Leu Leu Asn Ala Ser Pro
 165 170 175
 His Leu Asp Lys Thr Ser Trp Asn Ala Leu Pro Pro Gln Pro Leu Ala
 180 185 190
 Phe Ser Glu Val Glu Arg Ile Asn Lys Asn Ile Arg Thr Ser Ile Ile
 195 200 205
 Asp Ala Val Glu Leu Ala Lys Asp His Ser Asp Leu Ser Arg Leu Thr
 210 215 220
 Glu Leu Ser Leu Arg Arg Arg Gln Met Leu Leu Leu Glu Thr Leu Lys
 225 230 235 240
 Val Lys Gln Thr Ile Leu Glu Pro Ile Pro Thr Ser Leu Lys Leu Pro
 245 250 255
 Ile Ala Val Ser Cys Tyr Trp Leu Gln His Thr Glu Thr Lys Ala Lys
 260 265 270
 Leu His His Leu Gln Ser Leu Leu Leu Thr Met Leu Val Gly Pro Leu
 275 280 285
 Ile Ala Ile Ile Asn Ser Pro Gly Asn Val Asp Pro Val Pro Arg Gln
 290 295 300
 Ala Gln Cys Leu Ala Pro Arg
 305 310

<210> 404
 <211> 12
 <212> DNA
 <213> Homo sapiens

<400> 404
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12

<210> 405
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 405
 Met Trp Lys
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<210> 406
 <211> 39
 <212> DNA
 <213> Homo sapiens

<400> 406
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39

<210> 407

<211> 12
 <212> PRT
 <213> Homo sapiens

<400> 407
 Met Thr Met Leu Ile Tyr Pro Ser Trp Arg His Ser
 1 5 10

<210> 408
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 408
 atgttaaatct acccatcatg gagacattct taa 33

<210> 409
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 409
 Met Leu Ile Tyr Pro Ser Trp Arg His Ser
 1 5 10

<210> 410
 <211> 870
 <212> DNA
 <213> Homo sapiens

<400> 410
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 gcactagata atgttctgaa atacctccca aaaaaggatc gagaaaatgt taaggaaactt 180
 ctctgctgtt ccatggaaga ataccaacag tcccagggtga agctacagga cttcttccag 240
 tgtggtactt atgtctgtcc agatgccttg aatcttgggt taccagaatg ggtattagt 300
 gcttagcta aaggccagct atctccttcc atcagtgatg ctttgggtcct aagacggacc 360
 attcttccca cacagggtgga aaacatgcag caaccaaagt cccacagaat atctcagccc 420
 atcaggcaaa tcactctatgg gcttctttta aatgcctcac cacatctgga caagacatcc 480
 tggaatgcat tgccctcctca gcctctagct ttcagtgaag tggaaaggat taataaaaat 540
 atcagaacct caatcattga tgcagtagaa ctggccaagg atcattctga ctttaagcaga 600
 ttgactgagc tctccttgag gaggcggcag atgcttctgt tagaaaccct gaagggtgaaa 660
 cagaccattc tggagccaat ccctacttca ctgaagttgc ccattgctgt cagttgctac 720
 tggttgcagc acaccgagac caaagcaaag ctacatcatc tacaatcctt actgctcaca 780
 atgctagtgg ggcccttgat tgccataatc aacagccctg gaaatgtgga ccctgtaccc 840
 aggcaggctc agtgtcttgc tctcgcctag 870

<210> 411
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 411
 Met Glu Thr Phe Leu Ser Lys Ala Arg Leu Pro Leu Gly Ala Thr Ser
 1 5 10 15

<210> 414
 <211> 678
 <212> DNA
 <213> Homo sapiens

<400> 414
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 ggccagctat ctcctttcat cagtgatgct ttggctctaa gacggaccat tcttcccaca 180
 cagggtgaaa acatgcagca accaaatgcc cacagaatat ctcagcccat caggcaaadc 240
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 cctcctcagc ctctagcttt cagtgaagtg gaaaggatta ataaaaatat cagaacctca 360
 atcattgatg cagtagaact ggccaaggat cattctgact taagcagatt gactgagctc 420
 tccttgagga ggccggcagat gcttctgtta gaaaccctga aggtgaaaca gaccattctg 480
 gagccaatcc ctacttcact gaagttgccc attgctgtca gttgctactg gttgcagcac 540
 accgagacca aagcaaagct acatcatcta caatccttac tgctcacaat gctagtgggg 600
 cccttgattg ccataatcaa cagccctgga aatgtggacc ctgtaccag gcaggctcag 660
 tgtcttgctc ctgcgtag 678

<210> 415
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 415
 Met Glu Glu Tyr Gln Gln Ser Gln Val Lys Leu Gln Asp Phe Phe Gln
 1 5 10 15
 Cys Gly Thr Tyr Val Cys Pro Asp Ala Leu Asn Leu Gly Leu Pro Glu
 20 25 30
 Trp Val Leu Val Ala Leu Ala Lys Gly Gln Leu Ser Pro Phe Ile Ser
 35 40 45
 Asp Ala Leu Val Leu Arg Arg Thr Ile Leu Pro Thr Gln Val Glu Asn
 50 55 60
 Met Gln Gln Pro Asn Ala His Arg Ile Ser Gln Pro Ile Arg Gln Ile
 65 70 75 80
 Ile Tyr Gly Leu Leu Leu Asn Ala Ser Pro His Leu Asp Lys Thr Ser
 85 90 95
 Trp Asn Ala Leu Pro Pro Gln Pro Leu Ala Phe Ser Glu Val Glu Arg
 100 105 110
 Ile Asn Lys Asn Ile Arg Thr Ser Ile Ile Asp Ala Val Glu Leu Ala
 115 120 125
 Lys Asp His Ser Asp Leu Ser Arg Leu Thr Glu Leu Ser Leu Arg Arg
 130 135 140
 Arg Gln Met Leu Leu Leu Glu Thr Leu Lys Val Lys Gln Thr Ile Leu
 145 150 155 160
 Glu Pro Ile Pro Thr Ser Leu Lys Leu Pro Ile Ala Val Ser Cys Tyr
 165 170 175
 Trp Leu Gln His Thr Glu Thr Lys Ala Lys Leu His His Leu Gln Ser
 180 185 190
 Leu Leu Leu Thr Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser
 195 200 205
 Pro Gly Asn Val Asp Pro Val Pro Arg Gln Ala Gln Cys Leu Ala Pro
 210 215 220
 Arg
 225

<210> 416
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 416
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21

<210> 417
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 417
 Met Ser Val Gln Met Pro
 1 5

<210> 418
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 418
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24

<210> 419
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 419
 Met Gly Ile Ser Gly Phe Ser
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<210> 420
 <211> 15
 <212> DNA
 <213> Homo sapiens

<400> 420
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15

<210> 421
 <211> 4
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 <213> Homo sapiens

<400> 421
 Met Leu Trp Ser
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<210> 422
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1

5

<210> 432

<211> 240

<212> DNA

<213> Homo sapiens

<400> 432

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ctgaagttgc ccattgctgt cagttgctac tggttgcagc acaccgagac caaagcaaag    120
ctacatcatc tacaatcctt actgctcaca atgctagtgg ggcccttgat tgccataatc    180
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<210> 433

<211> 79

<212> PRT

<213> Homo sapiens

<400> 433

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Met Leu Leu Leu Glu Thr Leu Lys Val Lys Gln Thr Ile Leu Glu Pro
 1             5             10             15
Ile Pro Thr Ser Leu Lys Leu Pro Ile Ala Val Ser Cys Tyr Trp Leu
      20             25             30
Gln His Thr Glu Thr Lys Ala Lys Leu His His Leu Gln Ser Leu Leu
      35             40             45
Leu Thr Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser Pro Gly
      50             55             60
Asn Val Asp Pro Val Pro Arg Gln Ala Gln Cys Leu Ala Pro Arg
65             70             75

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<210> 434

<211> 90

<212> DNA

<213> Homo sapiens

<400> 434

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atgctagtgg ggcccttgat tgccataatc aacagccctg gaaatgtgga ccctgtaccc    60
aggcaggctc agtgtcttgc tcctcgctag                                90

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<210> 435

<211> 29

<212> PRT

<213> Homo sapiens

<400> 435

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Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser Pro Gly Asn Val
 1             5             10             15
Asp Pro Val Pro Arg Gln Ala Gln Cys Leu Ala Pro Arg
      20             25

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<210> 436

<211> 54

<212> DNA

<213> Homo sapiens

agagggagaa ccaactgcaca caccaagtgt tggatgagg gaaacaaccg gtttgggttg 180
ttaatgggttg aaaacttaga ggaacatagt gaggcctcca acattgaata a 231

<210> 451
<211> 76
<212> PRT
<213> Homo sapiens

<400> 451
Met Asn Ile Tyr Ser Met Pro Thr Arg Ser Tyr Ala Pro Ala Glu Ile
1 5 10 15
Phe Leu Pro Lys Gly Arg Ser Asn Ser Lys Lys Lys Arg Gln Lys Lys
20 25 30
Gln Asn Thr Ser Cys Ser Lys Asn Arg Gly Arg Thr Thr Ala His Thr
35 40 45
Lys Cys Trp Tyr Glu Gly Asn Asn Arg Phe Gly Leu Leu Met Val Glu
50 55 60
Asn Leu Glu Glu His Ser Glu Ala Ser Asn Ile Glu
65 70 75

<210> 452
<211> 216
<212> DNA
<213> Homo sapiens

<400> 452
atgccacaaa ggtcatatgc ccccgctgaa atattcctac caaaaggtag atcaaattca 60
aaaaaaaaaa ggcagaagaa acagaatacc agctgttcta agaacagagg gagaaccact 120
gcacacacca agtggttgta tgagggaaac aaccgggttg ggttgtaaat ggttgaaaac 180
ttagaggaac atagttaggc ctccaacatt gaataa 216

<210> 453
<211> 71
<212> PRT
<213> Homo sapiens

<400> 453
Met Pro Thr Arg Ser Tyr Ala Pro Ala Glu Ile Phe Leu Pro Lys Gly
1 5 10 15
Arg Ser Asn Ser Lys Lys Lys Arg Gln Lys Lys Gln Asn Thr Ser Cys
20 25 30
Ser Lys Asn Arg Gly Arg Thr Thr Ala His Thr Lys Cys Trp Tyr Glu
35 40 45
Gly Asn Asn Arg Phe Gly Leu Leu Met Val Glu Asn Leu Glu Glu His
50 55 60
Ser Glu Ala Ser Asn Ile Glu
65 70

<210> 454
<211> 153
<212> DNA
<213> Homo sapiens

<400> 454
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agaacagaa taccagctgt tctaagaaca gagggagaac cactgcacac accaagtgtt 120
 ggtatgaggg aaacaaccgg ttggtgtt taa 153

<210> 455
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 455
 Met Pro Pro Leu Lys Tyr Ser Tyr Gln Lys Val Asp Gln Ile Gln Lys
 1 5 10 15
 Lys Lys Gly Arg Arg Asn Arg Ile Pro Ala Val Leu Arg Thr Glu Gly
 20 25 30
 Glu Pro Leu His Thr Pro Ser Val Gly Met Arg Glu Thr Thr Gly Leu
 35 40 45
 Gly Cys
 50

<210> 456
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 456
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<210> 457
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 457
 Met Arg Glu Thr Thr Gly Leu Gly Cys
 1 5

<210> 458
 <211> 48
 <212> DNA
 <213> Homo sapiens

<400> 458
 atggttgaaa acttagagga acatagtgag gcctccaaca ttgaataa 48

<210> 459
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 459
 Met Val Glu Asn Leu Glu Glu His Ser Glu Ala Ser Asn Ile Glu
 1 5 10 15

<210> 460
 <211> 15
 <212> DNA

<400> 464
 Met Arg Pro Gly Pro Ala Pro Trp Pro Cys Pro Cys Pro Arg Ala Ala
 1 5 10 15
 Ser Gly Pro Ala Arg Pro Pro Ser Arg Val Leu Ser Pro Asn Ser Gln
 20 25 30
 Ser Ser Pro Ala Gly Asp Arg Gly Pro Ala Gln Glu Gly Gly Trp Phe
 35 40 45
 Val Arg Val Pro Leu Pro Arg Gly Ala Pro Ala Pro Ser Ser Pro Ser
 50 55 60
 Gly Asp Val Pro Val Gly Asn Arg Lys Lys Gln Phe Gln Leu Ile Val
 65 70 75 80

<210> 465
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Ologonucleotide

<400> 465
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<210> 466
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 466
 caggaaacag ctatgacc 18